

**DEPARTMENT OF THE ARMY  
GALVESTON DISTRICT, CORPS OF ENGINEERS  
P.O. BOX 1229  
GALVESTON, TEXAS 77553-1229**

**October 2003  
HYDROGRAPHIC BULLETIN**

**CHANNELS WITH PROJECT DEPTHS UNDER 25 FEET**

**A report of the depths available for navigation in the Federal Project Waterways of the Galveston District**

★ Indicates changes from previous report

● Indicates dredging under contract

⊕ Indicates changes from previous report and dredging under contract

Distances are in statute miles

Depths are based on Corps of Engineers mean low tide datum

NOTE: Miles are measured west of Harvey Lock, Louisiana, via the channel across Galveston Bay and channel from Aransas Bay to Corpus Christi Bay.

NOTE: Mileage's are measured west of Harvey Lock, Louisiana, via the Gulf Intracoastal Waterway and Houston Ship Channel to the usual take-off points on Houston Ship Channel.

The main route of the Gulf Intracoastal Waterway traverses the following reaches of other waterways that are maintained under separate projects:

<u>Waterway</u>	<u>Reach</u>
Sabine - Neches Waterway	Sabine River to West Port Arthur
Port Isabel Channel	Port Isabel Turning Basin to Connecting Channels
Connecting Channel *	Port Isabel Channel to Brownsville Channel
Brownsville Channel	Connecting Channel* to Port Brownsville

\* Channel connecting Port Isabel and Brownsville Channel called the East and West Wye's.

Critical reaches of the waterway. Interruptions to traffic may occur during rises in the Brazos River since it may not be practicable to operate the floodgates at this crossing during such periods. Some delays may occur at the Colorado River Locks while vessels are locked for passage across the river during rises. Experience thus far in operating the Brazos River Floodgates and the Colorado River Locks has indicated that shoaling during rises of short duration is usually negligible when the structures are kept closed and causes no interruptions to traffic. During major rises in the rivers; however, heavy shoaling may occur in the forebays of the structures; and at times, some dredging may be required before traffic can pass.

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**PROJECT DIMENSIONS**

**PROJECT CONDITIONS**

SHALLOW DRAFT CHANNELS	Date of Survey	Feet Width	Miles Length	Feet Depth	Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
<b>GULF INTRACOASTAL WATERWAY MAIN CHANNEL</b>							
Sabine River - High Island	● 07/03	125	53.1	12	9.9	11.0	10.0
High Island - Galveston Bay	① 07/03	125	30.0	12	10.0	11.7	8.4
Across Galveston Bay	② 07/03	125	7.2	12	7.7	10.8	8.7
Alternate Route via Galv. Ch.(REOPENED)	07/03	125	10.3	12	10.2	10.2	9.3
Galveston Bay - Chocolate Bayou	07/03	125	19.0	12	11.1	12.5	12.7
Chocolate Bayou - Freeport Harbor	③ 07/03	125	19.0	12	9.3	10.6	9.1
Freeport Harbor - Brazos River	④ 07/03	125	5.9	12	4.8	6.2	8.8
Brazos River Crossing	★ 09/03	125	0.7	12	★ 10.0	★ 9.4	★ 6.6
Brazos River - San Bernard River	07/03	125	4.0	12	10.1	12.6	12.9
San Bernard River - Colorado River	07/03	⑥ 125	35.6	12	8.3	9.5	7.3
Colorado River Crossing	07/03	125	1.0	12	12.6	14.9	12.1
Colorado River - Matagorda Bay (Mile 461.6 WHL)	⑦ 07/03	125	20.1	12	4.2	8.1	9.8
Mile 461.6 - Port O'Connor	11/02	125	11.1	12	5.5	13.2	13.4
Port O'Connor - San Antonio Bay	★ 07/03	125	19.0	12	★ 9.1	★ 10.2	★ 9.4
Across San Antonio Bay	01/03	125-235	8.6	12	10.5	11.0	10.0
San Antonio Bay - Aransas Bay (Light 1)	01/03	125	10.4	12	11.0	12.5	12.5
Across Aransas Bay	10/02	125	13.8	12	16.0	16.0	16.0
Aransas Bay to Corpus Christi Ship Channel	★ 02/03	125	14.4	12	★ 6.0	★ 7.8	★ 8.9
<b>Alternate Route via Lydia Ann Channel:</b>							
Aransas Bay 49 to Light 83	10/02	125	7.9	12	9.8	11.6	12.0
Light 83 to Corpus Christi Ship Channel	10/02	125	3.8	12	11.4	11.1	10.3
Corpus Christi Ship Channel to S. Bird Island	5/02	125	25.2	12	3.0	10.0	11.0
S. Bird Island to Light 175	5/02	125	22.5	12	9.3	10.5	9.8
Light 175 - Banderia Island	● 5/02	125	21.6	12	9.2	13.0	12.2
Banderia Island - Channel to Port Mansfield	● 5/02	125	23.2	12	11.2	9.8	7.0
Channel to Port Mansfield-Arroyo Colorado	5/02	125	14.5	12	11.8	12.0	7.5
Arroyo Colorado - Port Brownsville	● 5/02	125	37.6	12	8.5	8.5	7.9

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**PROJECT DIMENSIONS**

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SHALLOW DRAFT CHANNELS	Date of Survey	Feet Width	Miles Length	Feet Depth	Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
<b>GULF INTRACOASTAL WATERWAY TRIBUTARY CHANNELS</b>							
<b>ADAMS BAYOU CHANNEL</b>							
Channel	09/02	100	1.6	12	6.0	7.0	6.0
<b>DOUBLE BAYOU</b>							
4.1 Miles in Bay to Mouth of Bayou	10/01	125	4.1	7	8.2	9.3	7.9
Mouth of Bayou to 2 Miles above Mouth	10/01	100	2.0	7	7.2	8.6	8.0
<b>COW BAYOU CHANNEL</b>							
Channel	10/01	100	7.1	13	4.0	8.0	7.0
Orangefield Turning Basin	6/01	300	0.1	13	1.0	4.3	6.0
<b>OFFATTS BAYOU CHANNEL</b>							
Channel	5/02	125	2.2	12	5.0	6.8	5.1
<b>CHOCOLATE BAYOU CHANNEL</b>							
Bay Channel	07/03	125	5.6	12	8.1	10.6	9.1
Land Cut	07/03	125	2.9	12	8.0	9.3	8.4
<b>SAN BERNARD RIVER CHANNEL</b>							
Mile 0 to Mile 0.5	01/03	1032-100	0.5	9	8.8	10.3	10.4
Mile 0.5 to Mile 3.75	01/03	100	3.3	9	8.3	10.1	6.7
Mile 3.75 to Mile 8.0	4/94	100	4.3	9	n/a	9.0	n/a
Mile 8.0 to Mile 20.5	4/94	100	12.5	9	n/a	9.0	n/a
Mile 20.5 to Mile 25.2	4/94	100	4.7	9	n/a	9.5	n/a
Mile 25.2 to Mile 26.0	4/94	100	0.8	9	n/a	9.0	n/a
<b>MOUTH OF THE COLORADO RIVER</b>							
Mile 0 (Gulf) to Mile 0.8	07/03	200	0.8	15	7.5	8.1	9.6
Mile 0.8 to Mile 2.5	07/03	100	1.7	12	10.6	10.3	9.6
Mile 2.5 to Mile 7.11 (GIWW)	07/03	100	4.6	12	8.8	9.6	7.2

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<b>COLORADO RIVER CHANNEL</b>							
By-Pass Channel	07/03	100	0.9	9	10.7	8.5	5.4
Mile 0 (GIWW) to Mile 2	10/00	100	2.0	9	6.4	1.6	1.5
Mile 2 to Mile 8	2/01	100	6.0	9	10.3	9.0	7.3
Mile 8 to Mile 13.5	2/01	100	5.5	9	0.5	9.0	7.3
Mile 13.5 to Mile 15.5	08/03	100	2.0	9	7.1	11.9	10.4
Turning Basin	08/03	100	0.1	9	11.2	12.5	12.7
<b>CHANNEL TO PALACIOS</b>							
Mile 0 (GIWW) to Light 40	11/01	125	10.0	12	13.8	13.7	13.3
Light 40 to City Basin	11/01	125	6.2	12	14.0	14.0	14.0
City Basin	2/02	150	0.1	12	14.0	14.0	14.0
Entrance Channel to Mun. Basin	2/02	400-130	0.1	12	14.0	14.0	14.0
Municipal Basin	2/02	240	0.2	12	14.0	14.0	14.0
<b>CHANNEL TO PORT LAVACA AND RED BLUFF</b>							
Port Lavaca Channel	★ 07/03	125	4.1	12	★ 10.7	★ 10.4	★ 10.3
Lynn Bayou Turning Basin	● 4/02	30-300	0.1	12	12.5	12.9	12.6
<b>Port Lavaca Harbor of Refuge:</b>							
Approach Channel	● 4/02	125	2.1	12	8.4	9.0	9.0
North-South Basin	● 4/02	300	0.3	12	9.2	12.0	11.0
East-West Basin	● 4/02	250	0.3	12	9.5	12.0	12.0
<b>Extension to Red Bluff via Lavaca and Navidad Rivers:</b>							
Mile 0 to Mile 6.5	4/01	100	6.5	6	2.0	2.4	2.0
Mile 6.5 to F.M. Rd. 616	6/99	100	13.7	6	4.0	4.0	4.0

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<b>CHANNEL TO VICTORIA</b>							
Mile 0 (GIWW) to Mile 11	● 12/01	100	11.0	9	6.3	8.4	5.5
Westerly connecting 'Y' channel	11/02	100	0.8	9	14.0	14.0	14.0
Mile 11 to Mile 14.0	★ 08/03	100	3.0	9	★ 9.6	★ 12.2	★ 9.7
Mile 14.0 to Mile 29	08/03	100	15.0	9	5.5	11.3	6.1
Mile 29 to Mile 34.7	4/02	100	5.7	9	14.0	14.0	14.0
Turning Basin	4/02	100-818	0.2	9	14.0	14.0	14.0
Connecting Channel to Seadrift	12/01	100	2.0	9	4.3	4.8	4.3
Seadrift Turning Basin	12/01	230	0.0	9	6.7	7.7	8.8
<b>CHANNEL TO FULTON</b>							
Channel	10/99	100	0.5	12	5.0	6.5	5.5
Turning Basin	10/99	200	0.2	12	6.0	7.0	6.0
<b>CHANNEL TO ROCKPORT</b>							
Channel	9/00	100	6.8	9	9.5	10.0	9.0
Harbor Basin	9/00	350	0.2	9	5.0	8.0	7.0
<b>CHANNEL TO ARANSAS PASS</b>							
Channel	● 10/01	125-175	6.1	14	10.0	9.1	9.1
Turning Basin	3/01	300	0.4	14	15.0	15.5	15.0
Connecting Channel	3/01	125	0.1	14	15.0	15.0	15.0
Conn Brown Harbor	3/01	50-510	0.4	14	15.0	15.0	15.0
<b>CHANNEL TO PORT ARANSAS</b>							
Channel	11/00	100	0.2	12	7.0	7.0	6.0
Turning Basin	11/00	200-400	0.2	12	7.0	7.0	7.0

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<b>CHANNEL TO PORT MANSFIELD</b>							
Entrance Channel	4/02	250	0.7	16	12.0	18.3	16.8
Mile 0.7 to Mile 1.3	2/02	100-300	0.6	14	15.2	15.7	15.0
Mile 1.3 to Mile 3	10/01	100	1.7	14	12.1	11.7	11.1
Mile 3 to Mile 6	10/01	100	3.0	14	13.6	13.3	14.3
Mile 6 to Main Channel (GIWW)	10/01	100	2.9	14	14.1	14.4	14.0
Entrance Curves	6/01	200	0.6	12	7.1	7.1	6.8
Main Channel to Turning Basin	11/01	125-200	0.9	14	16.0	17.4	17.1
Turning Basin	11/01	200-400	0.7	14	13.0	15.0	15.0
Shrimp Basin	11/01	350	0.3	12	13.0	13.5	12.4
<b>CHANNEL TO PORT HARLINGEN</b>							
Mile 0 to Mile 8	12/02	200-125	8.0	12	9.0	11.0	8.0
Mile 8 to Mile 20	12/02	125	12.0	12	9.0	10.0	8.2
Mile 20 to Mile 25.9	12/02	125	5.9	12	9.0	10.0	8.0
Turning Basin	12/02	400	0.1	12	12.0	12.0	11.5
<b>SIDE CHANNELS AT PORT ISABEL</b>							
60-foot channel	4/99	60	0.2	12	9.0	12.0	10.0
125-foot channel	4/99	125	1.1	12	10.0	11.0	10.0
<b>PORT ISABEL SMALL BOAT HARBOR</b>					<b>USABLE DIMENSIONS</b>		
Entrance Channel	7/02	75	1.5	9	3.6 ft by 75 ft		
Harbor Channel	07/02	50	0.3	7	3.6 ft by 50 ft		
Basin	3/02	50-500	0.3	6	5.0 ft by 50-500 ft		

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<b>HOUSTON SHIP CHANNEL, TRIBUTARY CHANNELS</b>							
<b>CEDAR BAYOU</b>							
Houston Ship Channel to U.S. Steel Dock	★ 08/03	100	5.5	11	7.0	8.0	★ 6.0
<b>ATKINSON ISLAND</b>							
Barge Mooring Basin	1/02	100-150	1.8	12	9.4	9.5	9.3
<b>GREENS BAYOU CHANNEL</b>							
First bend to Parker Brothers Slip	07/03	150-100	1.3	15	11.9	13.2	11.4
<b>BRADY ISLAND CHANNEL</b>							
Upstream from Cypress Str. Bridge	7/99	50	0.3	10	Left ½ 13.0		Right ½ 11.0
Downstream from Cypress Str. Bridge	7/99	50	0.5	10	12.0		12.0
<b>CHANNEL IN BUFFALO BAYOU</b>							
Houston Turning Basin to 69th Street Bridge	11/01	60	0.8	10	12.3	12.4	11.7
69th Street Bridge to Lockwood Drive Bridge	11/01	60	1.5	10	12.1	12.0	11.5
Lockwood Drive Bridge to Jensen St.Bridge	6/01	60	1.7	10	8.6	6.1	4.3
Turkey Bend Channel	6/01	60	0.8	10	4.7	2.0	5.6
Jensen Street Bridge to Southern Pacific Dock	3/94	60	0.6	⑦ 9		10ft by 50ft	



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SHALLOW DRAFT CHANNELS	Date of Survey	Feet Width	Miles Length	Feet Depth	Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
USABLE DEPTHS IN OTHER SMALL ACTIVE CHANNELS					USABLE DIMENSIONS		
CHANNEL TO PORT BOLIVAR	4/99	200	0.1	14	18.0 ft by 200 ft		
DICKINSON BAYOU							
Light 2 to Light 27	07/02	60	9.9	6	5.4	4.6	4.5
Light 27 to Highway 146 Bridge	07/02	60	1.5	6	0.3	0.6	0.0
CHANNEL TO LIBERTY							
Houston Ship Channel to Smith Point	3/02	150	6.4	9	0.2	0.2	0.2
Anahuac Channel	⑧ 08/03	100	6.4	6.0	0.0	1.0	5.0
Anahuac Channel to Texas Gulf Sulphur Slip	6/01	100	11.3	6.0	4.6	4.5	4.1
Texas Gulf Sulphur Slip to Devers Canal	2/94	100	9.5	6	4.0 ft at centerline		
Devers Canal to South Liberty Oil Field	7/01	100	12.2	6	+0.4' x 100'		
South Liberty Oil Field to Cut Off Channel	7/01	100	2.2	6	+0.1, +2.6, +1.5		
Cut Off Channel to Liberty	7/01	100	3.1	6	-3.2, +1.6, +2.6		
CLEAR CREEK AND CLEAR LAKE							
Entrance Channel	4/02	75	3.3	9	2.3	2.4	2.2
North Fork Channel	5/88	60	0.7	7	1.0 ft by 60 ft		
Clear Lake Channel	4/02	60	2.8	7	2.3	2.4	2.2
Clear Creek Channel	5/98		3.8		7.0 ft by 60 ft		
Five Mile Cut	1/02	125	1.9	12	3.2	3.6	3.7
Jewel Fulton Canal	6/02	100	0.9	16	15.7 ft by 100 ft		
RINCON CANAL							
Channel	7/01	100-618	4.8	12	12.0	12.0	12.0
Turning Basin	7/01	275	0.1	12	12.0	12.0	12.0

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<b>SHALLOW DRAFT CHANNELS</b>	<b>Date of Survey</b>	<b>Feet Width</b>	<b>Miles Length</b>	<b>Feet Depth</b>	<b>Left ¼ Channel (Feet)</b>	<b>Middle ½ Channel (Feet)</b>	<b>Right ¼ Channel (Feet)</b>
<b>Brownsville Fishing Boat Harbor</b>							
Entrance Channel	3/02	100	0.2	15		13.0 ft by 100 ft	
Connecting Channel	3/02	265	0.2	15		14.5 ft by 265 ft	
West Basin	3/02	305-370	0.3	15		14.5 ft by 305 ft	
Middle Basin	3/02	305-370	0.2	15		14.5 ft by 305 ft	
East Basin	3/02	370	0.3	15		14.5 ft by 370 ft	

**NOTES:**

- ① Minor shoaling at left toe between mile marker 319.50 to mile marker 320.29 and minor shoaling at the right toe 600 ft. east of mile marker 342.92
- ② Minor shoaling 500 ft. west of mile marker 349.25.
- ③ Minor shoaling 300 ft. west of mile marker 387.44.
- ④ Minor shoaling between mile marker 398.79 & mile marker 400.61.
- ⑤
- ⑥ Minor shoaling between mile marker 418.02 & mile marker 424.23.
- ⑦ Minor shoaling at left toe from mile marker 454.07 to 461.39.
- ⑧ Depths well below required depth on far right side looking toward Bay.
- ⑨